## ABSTRACT

An aliquot vessel array having notched side flanges and rails of a next adjacent so that a plurality of arrays may be attached one atop another in a secure stack. Stacked aliquot vessel arrays may be simultaneously loaded into a storage unit on an automatic analyzer and automatically dispensed into a sampling track as required. The aliquot vessel array has certain handling features to ensure safe and reliable movement between the storage unit and sampling tracks.

10

5